

## 100 PRO flexiK

23W FLEXIBLE WHITE  
LED MODULE



- Feather weight construction, ~190 grams
- Class 2 LED module with external LED driver
- >80 lm/W module
- Colour rendering index, ProART Ra~95
- 3 steps MacAdam ellipse binning
- ATePS™ smart thermal dimming to protect LED lifetime\*
- ComfyEYE aspect provides high quality uniform and comfort light with low stroboscopic optical flicker less than 5%\*\*
- X-BEAM converging optical lens maximises luminaire light output ratio
- IP40



\* ATePS™ Automated Thermal Protection System is the trademark of ELR

\*\* Optical flicker percentage is measured at maximum output. ComfyEYE for NEST is only available with R45 all-in-one LED driver (PH, AN, DA) and 36V COB LED Chipsets

*flexiK is recommended to pair with Soft Lens for better colour mixing effect.*

### APPLICATION

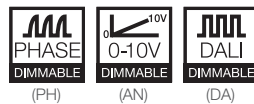
- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

### TECHNOLOGY BENEFITS

- Superior light rendering quality offering balanced white with embedded green and red tone
- Excellent cost savings and quicker ROI
- Quick installation, no costly modification required
- Low maintenance
- Comfort, safety and no glass

### AVAILABLE OPTIONS

#### DRIVER



#### TEMPERATURE



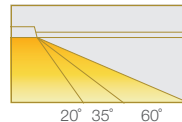
ProART



flexiK

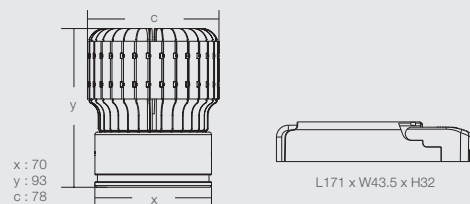
#### BEAM ANGLE

flexiK  
100 PRO



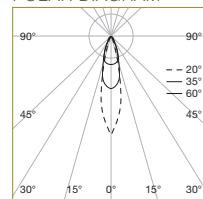
### DIMENSIONS (MM)

\*Displayed height measurements are for highest point of fitting.

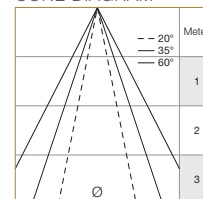


### 100 PRO / 100 PLE flexiK / tuneWHITE™

#### POLAR DIAGRAM



#### CONE DIAGRAM



Ø = DIAMETER

|             | E <sub>max</sub> (lx) |      |      |
|-------------|-----------------------|------|------|
|             | 20°                   | 35°  | 60°  |
| E (0°)      | 8033                  | 4181 | 2203 |
| Cone DØ (m) | 0.40                  | 0.67 | 1.02 |
| E (0°)      | 2008                  | 1045 | 551  |
| Cone DØ (m) | 0.81                  | 1.34 | 2.05 |
| E (0°)      | 893                   | 465  | 245  |
| Cone DØ (m) | 1.21                  | 2.01 | 3.07 |

### SYSTEM SPECIFICATIONS

| LED Lamp Power | LED System Power | Colour | CCT           | Beam Angle | PROART CRI 95  |               | Driver Options |
|----------------|------------------|--------|---------------|------------|----------------|---------------|----------------|
|                |                  |        |               |            | Intensity (cd) | Luminous Flux |                |
| 23W            | 28W              | flexiK | 1800K ~ 6500K | 60°        | 2200           | 1900          | PH, AN, DA     |
|                |                  |        |               | 35°        | 4180           |               |                |
|                |                  |        |               | 20°        | 8030           |               |                |

the table information is at nominal values accuracy of +/-7%  
nominal CRI >95, equal to Ra >90-97, R9 > 50

### DETAILS SPECIFICATION

|                            |  |
|----------------------------|--|
| Family Type                | 100 PRO flexiK Series                                  |
| Mains Voltage              | 220-240, 50Hz  |
| Colour options             | Black  |
| Installation Compatibility | Optional with AR111 mounting brackets                  |
| Lifetime                   | 50,000 hours (80% lumen maintenance at Ta = 35°C), B10 |
| Dimming                    | Phase (triac) dimmer, 0-10V, DALI                      |
| Mains connection           | Loop-in-loop-out terminals for convenient connection   |
| Materials                  | Aluminium, plastic                                     |
| Fire safety                | Glow wire test 850°C, UL94V-0, VW-1                    |
| Flammability mark          | F  |
| IP Code (Module Only)      | IP40   |
| Safety class               | Class 2  |
| Accessories                | AR111  |
| Standards                  | IEC 62031, IEC 61347-2-13                              |
| Regulatory markings        | CE, CB, RCM  |
| Weight                     | ~ 190g   |

| LED MODULE         |               |                    |                  | DRIVER          |
|--------------------|---------------|--------------------|------------------|-----------------|
| LED Power          | Beam Angle    | Colour Temp        | CRI              | Dimming         |
| <b>ELR100P</b> 23W | —             | —                  | —                | —               |
|                    | <b>20</b> 20° | <b>FK##</b> flexiK | <b>PA</b> ProART | <b>PH</b> Phase |
|                    | <b>35</b> 35° |                    |                  | <b>AN</b> 0-10V |
|                    | <b>60</b> 60° |                    |                  | <b>DA</b> DALI  |

## denotes the first two digits of preferred CCT ranging from 1800K to 6500K by increment of 100K  
(ELR 100 PRO 25W LED Module, 35° Beam Angle, 3500K CCT, ProART CRI>95, Phase Dimmable Driver)

example: ELR100P.35.FK35.PA.PH